

TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

| CONTRACTOR | CONTRACT NO./TASK NO. | JOB ORDER NUMBER | APPROP. FY |
|-----------------|------------------------------------|------------------|------------|
| QSS Group, Inc. | NAS5- 99124 TASK NO. 210 AMENDMENT | 564-839-30-80-89 | 99 |

TASK TITLE: (NTE 80 characters; include Project name)

TRIANA Electron Spectrometer

APPROVALS: (Type or print name and sign)

| ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR) | DATE | ORG CODE | MAIL CODE | PHONE |
|---|---------|----------|-----------|--------------|
| Michael A. Johnson <i>Michael A. Johnson</i> | 2/3/00 | 564 | 692 | 301-286-3170 |
| BRANCH HEAD | DATE | CODE | | PHONE |
| Robert L. Kasa <i>Robert L. Kasa</i> | 2/4/00 | 564 | | 301-286-8043 |
| CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR) | DATE | CODE | | PHONE |
| Robert S. Lehair, Jr. <i>Deborah A. Clark</i> | 2/10/00 | 560 | | 301-286-6588 |

| | | |
|---|--|-----------------|
| FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE? (If YES, NEED CODE 303 CONCURRENCE NEXT BLOCK) | CONTRACTING OFFICER'S QUALITY REP. | DESIGNATED FAM: |
| <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES | <i>Sic for L. Moore per telecon</i> Larry Moore | |

| | |
|---|---|
| The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs. | (To be completed by Contracting Officer) C.O. Requested Quote on: Date: FEB 10 2000 |
|---|---|

| |
|---|
| Contractor will develop specification or statement of work under this task for a future procurement. <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES |
| Flight hardware will be shipped to GSFC for testing prior to final delivery. <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> N/A |
| Government Furnished Property/Facilities: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only) |
| Onsite Performance: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES If yes: <input checked="" type="checkbox"/> TOTAL <input type="checkbox"/> PARTIAL If partial, indicate onsite work in SOW by asterisk (*) |

| |
|---|
| Surveillance Plan Attached: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES |
|---|

| |
|---|
| Highlighted Contract Clauses: (to be completed by Contracting Officer) Per Clause H.14, Task Ordering Procedure, subparagraph (f), the effective date of this task order shall be February 10, 2000. |
|---|

INCENTIVE FEE STRUCTURE (check one)

(See Contract NAS5-99124, Attachment K, Incentive Fee Plan)

| | No. 1 | No. 2 | No. 3 | <input checked="" type="checkbox"/> No. 4 | No. 5 |
|-----------|-------|-------|-------|---|-------|
| Cost | 10% | 50% | 25% | 25% | % |
| Schedule | 15% | 25% | 25% | 50% | % |
| Technical | 75% | 25% | 50% | 25% | % |

(To be completed by Contracting Officer)

| |
|--|
| The target cost of this task order is \$ 5,314 |
| The target fee of this task order is \$ 342 |
| The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ 5,656 |
| The maximum fee is \$ 500 |
| The minimum fee is \$0. |

| AUTHORIZED SIGNATURE: |
|---|
| <p>THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"</p> <p><i>Lorrie L. Eakin</i> <i>3/8/00</i></p> <p>SIGNATURE OF CONTRACTING OFFICER DATE TYPED NAME OF CONTRACTING OFFICER</p> <p>Lorrie L. Eakin Contracting Officer</p> |

| CONTRACTOR'S ACCEPTANCE: |
|----------------------------------|
| <p>AUTHORIZED SIGNATURE DATE</p> |

GSFC FORM 703-1845

12/98 (OLDER VERSIONS ARE OBSOLETE)

DISTRIBUTION: CONTRACTOR, CONTRACTING OFFICER, COTR, CODE 303, RESOURCES ANALYST, ASSISTANT TECHNICAL REPRESENTATIVE

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|-----------------|-----------------------|----------|-----------|
| QSS Group, Inc. | NAS5- 99124 | 210 | |

Applicable paragraphs from contract Statement of Work: Function 2E3

STATEMENT OF WORK: (Continue on blank paper if additional space is required)

The purpose of this task is to provide services in support of the TRIANA PlasMag Electron spectrometer. Specifically, to assemble and support rework of the flight and engineering units of the ES Anode Board and the ES Amplifier Board, fabricate flight harnesses and support rework of the ES Controller PWB S/N 0.

PERFORMANCE SPECIFICATIONS:

1. Assemble and support rework of the ES Anode Board Engineering Unit.
2. Assemble and support rework of the ES Amplifier Board Engineering Unit.
3. Fabricate flight harnesses according to GSFC requirements for flight hardware.
4. Assemble and support rework of the ES Anode Board Flight Unit per GSFC requirements for flight hardware.
5. Assemble and support rework of the ES Amplifier Board Flight Unit per GSFC requirements for flight hardware.
6. Support rework of the ES Controller Board S/N 0.

APPLICABLE DOCUMENTS:

1. NASA Technical Workmanship Standard for Soldered Electrical Connections, NASA-STD-8739.3
2. GSFC Quality Manual, GPG 8730.3
3. NASA-STD-8739.4, Crimping, Interconnecting Cables, Harness, Wiring
4. ANSI/IPC-D-275, Design Standard for Rigid Printed Boards and Rigid Printed Board Assemblies, Class 3.
5. IPC 6011 and IPC 6012, Class 3 as the basic specification requirements with GSFC S-312-P-003B, Procurement Specification for Rigid Printed Wiring Boards for Space Applications and other High Reliability Uses as a supplement.

TASK END DATE: 4/28/00**MILESTONES/DELIVERABLES AND DATES:**

- | | |
|---|-----------------------------|
| 1. ES Anode Board Engineering Unit assembly | XX XX/00 3/15/00 |
| 2. ES Amplifier Board Engineering Unit assembly | XX XX/00 3/15/00 |
| 3. MCP Bias harness fabrication | XX XX/00 3/22/00 |
| 4. Amplifier Board harness fabrication | XX XX/00 3/22/00 |
| 5. Stepper HVPS harness fabrication | XX XX/00 3/22/00 |
| 6. DPU harness fabrication | XX XX/00 3/22/00 |
| 7. ES Controller harness fabrication | XX XX/00 3/22/00 |
| 8. ES Anode Board Flight Unit assembly | XXXX/00 3/25/00 |
| 9. ES Amplifier Board Flight Unit assembly | XXXX/00 3/25/00 |

PERFORMANCE STANDARDS:

Schedule: On-time delivery of assembled and inspected PWB's
Technical: Meets requirements as determined by the ATR

FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):

Mike Johnson, building 2, room 118